

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
INTRA-AGENCY ROUTING FORM**

TO: Enforcement Division

FROM: ERSD

Routing Date: 8/28/18

Facility Information

Company Name: City of New Orleans Property Management

Facility Site Name: Naval Support Activity Facility

Agency Interest No: 11861

Alt. AI No: LAU008146 qib

Mailing Address: 1300	Physical Address: 603
Street: Perdido Street	Street Poland Avenue
City, State, Zip: New Orleans, LA 70112	City, Parish New Orleans, Orleans

Responsible Party/Contact Person: Eric Terry

Responsible Party/Contact Person Telephone No:

Inspection/Referral Information

Inspection Date: 8/1/18

Hours Spent On Inspection/Report: 24.25

Media: Check all that apply

Air (inc. asbestos/lead): Water: Haz. Waste: Risk MPs: Remediation:
Solid Waste (inc. tires): UST: Radiation: Stage 1 & 2:

Complaint? Yes No

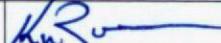
Follow up? Yes No

If yes

Enforcement Action Number

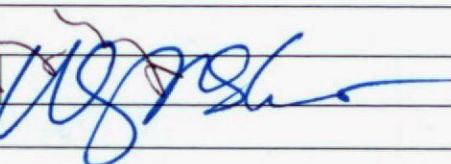
Inspector/Team Leader Name: Brian Lash

Inspector/Team Leader Contact No.: 225-954-4022

Approved By: 

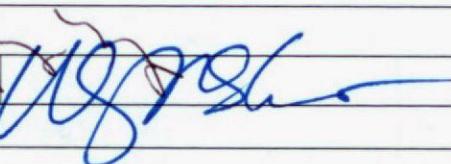
Date:

9/4/18

Approved By: 

Date:

9/6/18

Circuit Rider Review: 

Date

10/9/18 enr

Basis for Routing (check all that apply)

Areas of Concern:	<input checked="" type="checkbox"/>	Contamination Above RECAP:	<input type="checkbox"/>
<input type="checkbox"/> Conveyance Notice Only		TEMPO Task ID No:	
Other:	<input type="checkbox"/>	Please Explain:	

Additional Information: This section should state the specific reason for the referral, actions that have been taken by the referring division and supporting documentation. This section should also provide sufficient discussion and/or documentation for the Division receiving the referral to take action including documentation of events leading to the referral and company contact information.

On August 1, 2018 an unauthorized discharge of diesel fuel occurred in the Florida Avenue Canal nearby the Alvar Street culvert in Orleans Parish. The discharge originated from two above-ground storage tanks located within the abandoned Naval Activity Support facility currently owned by the City of New Orleans. The source site is not permitted to discharge any substances to the waters of the state, a violation of La. R.S. 30:2075 and La. R.S. 30:2076(A)(1)(a). Five black-bellied whistling ducks and two turtles were observed to be impacted as a result of the unauthorized discharge, a violation of LAC 33:IX.1113.B.1.d and LAC 33:IX.1113.B.5. There were no reports of human injury, fire or road closures. BGL

INCIDENT REPORT

Incident ID:186150

Incident Description

Incident Type: Release/Spill, Miscellaneous
Incident Date: 08/01/2018 13:00:00
Parish: Orleans
Municipality: New Orleans
Location: Corner of Alvor St and Florida Ave - New Orleans

Lat/Lon: /
Basin/Segment:
Substance(s):
Media Impacted: Water
Incident Desc: s18-117049 Red substance in canal BH

Incident Status

Lead Investigator: Brian Lash *B6L*
Incident Region: Southeast *8/26/18*
Incident Status: Pending Review
Followup Status: Referred to Enforcement
As Of: 08/28/2018 00:00:00

Incident Reporter 1

Received By: Spo Contact
Received Date: 08/01/2018 13:32:00
Dispatch #: s18-117049
Reported By: Scott Belsom
Phone: 504-232-4020 (Work phone number)
Reporter Title:
Organization: Boh Brothers
Address:

Municipality:

State: LA

Zip Code:

Comments:

Incident Source 1

Source Name: Naval Support Activity - East Bank
Address: 4400 Dauphine St
(Poland/Dauphine)

INCIDENT REPORT

Incident ID:186150

Municipality: New Orleans**State:** LA**Phone:** 5046783096(Work phone number)**Parish:****AI #:** 11861**Related Permits:**

Comments: On August 1, 2018 Emergency Responder Brian Lash responded to an incident related to an unauthorized discharge of diesel fuel into the Florida Avenue Canal nearby the Alvar Street box culvert in Orleans Parish. The diesel fuel entering the Florida Avenue Canal was identified by Boh Brothers Construction who were engaged in construction activities on the canal. The product was prevented from migrating in the canal by sand dams constructed by Boh Brothers during construction activities. Boh Brothers personnel confirmed that the product did not originate from their construction equipment and made notification of the discharge to the essential agencies.

Personnel from the Sewerage and Water Board of New Orleans (SWBNO), the United States Coast Guard (USCG) and the New Orleans Fire Department Hazmat were on scene during the investigation of locating the source and responsible party. OMI Environmental Solutions was contracted by the SWBNO to initiate cleanup and recovery efforts and deployed both hard and absorbent boom to aid in containing the spill.

Personnel from the SWBNO initiated an investigation of the drainage system and with the assistance of OMI traced the discharge back to the source of the release. The source was identified to be two 2000 gallon above-ground diesel storage tanks located within the abandoned Naval Support Activity facility on Poland Avenue. The drain plugs had been removed from the tanks allowing diesel to migrate to secondary containment. The product escaped secondary containment through an open drain valve in the containment wall and then migrated to an above-ground cement drain where it then entered the drainage system.

Incident Source 2**Source Name:**

INCIDENT REPORT

Incident ID:186150

Address:**Municipality:****State:****Phone:****Parish:****AI #:****Related Permits:**

Comments: The owner of the Naval Support Activity property was identified to be the City of New Orleans and the city initiated the services of Leaad Environmental for the ongoing cleanup operations. Leaad subcontracted OMI to assist in the recovery effort. To prevent product from being discharged to the nearby Industrial Canal, Drainage Pump Station No. 19 was advised not to operate the pumps until water levels necessitated pumping.

Recovery and cleanup operations continued on August 2, 2018 and OMI used a high pressure hose to wash the product in the canal towards the containment boom where it could then be recovered with a drum skimmer, vacuum truck and absorbent pads. The recovered product was pumped to plastic drums to later be sealed and transported to a certified waste facility. OMI used a vacuum truck at the source site to remove all of the product from secondary containment and sorbent materials were used to collect any product inside the above-ground cement drain leading to the drainage system. The Louisiana Department of Wildlife and Fisheries (LDWF) arrived on scene after a black-bellied whistling duck was reported to be impacted on August 1, 2018. The duck was unable to be located at the time of investigation.

On August 3, 2018 OMI used a vacuum truck to remove any residual product remaining inside the above-ground diesel tanks. The secondary containment area was then pressure washed and the diesel/water mixture was recovered with the vacuum truck. Cleanup operations in the Florida Avenue Canal neared completion with the remaining product being recovered with a drum skimmer and absorbent pads. All recovered product was transferred to sealed plastic drums and the sorbent materials were placed inside pollution bags to be transported to a certified waste facility.

INCIDENT REPORT

Incident ID:186150

Incident Source 3**Source Name:****Address:****Municipality:****State:****Phone:****Parish:****AI #:****Related Permits:**

Comments: Following a heavy rain event, product was discovered in the forebay of Pump Station No. 19 on August 5, 2018. OMI mobilized to the pump station and used a vacuum truck and absorbent pads to recover the product that accumulated in the forebay. Impacted debris that accumulated nearby the pump station trash rakes was manually recovered with hand tools and all recovered debris and absorbent pads was placed inside pollution bags and transported to a certified waste facility. During the cleanup effort at the pump station forebay, three black-bellied whistling ducklings and two turtles were identified to be impacted by the product. The ducklings and turtles were removed from the forebay and transported by LDWF to a wildlife rehabilitation center. All three ducklings died in route to the rehabilitation center. A fourth black-bellied whistling duck was later identified to be dead while floating in the forebay and was documented and removed by LDWF.

Personnel from the SWBNO flushed the drainage system on August 6, 2018 by opening three fire hydrants within the Naval Support Activity facility. A tracer dye was placed inside the drainage system to confirm the flushing migrated to the Florida Avenue Canal outfall. No diesel was observed to be discharged nearby the Florida Avenue Canal outfall. OMI finalized the cleanup efforts in the Florida Avenue Canal and Pump Station No. 19 forebay. On August 9, 2018 all boom was removed from the canal and cleanup operations were complete.

INCIDENT REPORT

Incident ID:186150

Incident Source 4**Source Name:****Address:****Municipality:****State:****Phone:****Parish:****AI #:****Related Permits:**

Comments: An estimated 1700 gallons of diesel/water mixture and 18 cubic yards of soiled absorbent material and impacted debris was collected from the incident area. There were no reports of human injury, fire or road closures. The source is not permitted to discharge any substances to the waters of the State, a violation of La. R.S. 30:2075 and La. R.S. 30:2076(A)(1)(a). Five black-bellied whistling ducks and two turtles were observed to be impacted as a result of the unauthorized discharge, a violation of LAC 33:IX.1113.B.1.d and LAC 33:IX.1113.B.5.

Brian Lash

From: SPOC
Sent: Wednesday, August 01, 2018 1:32 PM
To: Brian Lash
Cc: _DEQ-SPOCCallout; _DEQ-SEROAdmin
Subject: # 18-03596

Importance: High

Sent: Wednesday, August 01, 2018 1:29 PM
Subject: LSP Hazardous Material Incident Incident # 18-03596

INCIDENT # 18-03596 SOURCE: STATE POLICE HAZMAT HOTLINE
877-925-6595 / 225-925-6595

** (INITIAL REPORT) DATE AND TIME *****
HOTLINE NOTIFIED: 08/01/18 13:19
INCIDENT DISCOVERED: 08/01/18 13:00

** (INITIAL REPORT) INCIDENT LOCATION *****
PARISH: Orleans
ADDRESS: Corner of Alvor St and Florida Ave
CITY: New Orleans

** (INITIAL REPORT) CALLER INFORMATION *****
CALLER'S NAME: Scott Belsom
CALLER'S ADDRESS OR EMPLOYER: Boh Brothers
CALLER'S PHONE NUMBER: 504-232-4020

** (INITIAL REPORT) RESPONSIBLE PARTY *****
NAME: Unknown

** (INITIAL REPORT) DETAILS *****
Boh Brothers is working on a canal project for the Corp of Engineers...
Personnel have sited a red substance in the canal from unknown
location... Appears to be red diesel, also smells as diesel... Very large
amount... This is a main canal that goes to a pumping station... Right
now they have it dammed off with sand and contained... In the event of a
hard rain, product will go to pumping station, then on to another pumping
station in Chalmette, then from there, unknown destination...

** (INITIAL REPORT) CHEMICAL INFORMATION *****
CHEMICAL 1: Diesel
QTY: Unk
RELEASED STATE: Liquid CLASS: Combustible Liqui ID: 1993 EHS: No

** (INITIAL REPORT) RELEASE INFORMATION *****
INCIDENT CLASSIFICATION: Unusual Event
DID MATERIAL GO OFFSITE? Yes
RELEASED TO: See details
ANY OFF-SITE PROTECTIVE ACTION?
ROAD CLOSURE: No
SHELTER IN PLACE: No
EVACUATION: No
RELEASE EFFECTS:

FIRE: No

INJURIES: No :

FATALITIES: No :

** (INITIAL REPORT) FIXED SITE *****

Unknown



"RE-BUILDING THE CITY'S WATER SYSTEMS FOR THE 21ST CENTURY"

Sewerage & Water Board OF NEW ORLEANS

August 17, 2018

625 ST. JOSEPH STREET
NEW ORLEANS, LA 70165 • 504-529-2837 OR 52-WATER
www.swbno.org

Louisiana Department of Environmental Quality
P.O. Box 4312
Baton Rouge, LA 70821-4312
ATTENTION: Office of Environmental Compliance – SPOC
UNAUTHORIZED DISCHARGE NOTIFICATION REPORT

Re: Sewerage and Water Board of New Orleans (SWBNO)
LSP Incident No. 18-03596
National Response Center Incident No. 1220212

Dear Sir:

Enclosed please find information requested in Title 33, Part I, Subpart 2, Sec. 3925 following the notification to LSP and National Response Center.

If you have any questions or need additional information concerning this report, please contact me at 504-942-3856 or awilson2@swbno.org.

Sincerely,

Ann Wilson
Chief, Environmental Affairs
Sewerage and Water Board of New Orleans

Enclosure

Cc: Ramsey Green, City of New Orleans Deputy Chief Administrative Infrastructure & Operations
Martha Griset, City of New Orleans Interim Director of Property Management
Mary Kincaid, City of New Orleans Chief Resiliency Officer

**SUMMARY OF DIESEL SPILL
FLORIDA AVENUE CANAL
AUGUST 1-9, 2018
FINAL REPORT**

- B1. Ann Wilson, Chief, Environmental Affairs, Sewerage & Water Board of New Orleans, 2900 Peoples Avenue, Room 215, New Orleans, LA 70122, Email: awilson2@swbno.org. A.I. Number: NA
2. LA State Police, August 1, 2018, 13:00 HRS. Person making notification: Scott Belsom, Boh Bros. 504-232-4020. Case Number 18-03596. National Response Center notified on August 1, 2018. Case Number: 1220212. LA Department of Environmental Quality and US Coast Guard were notified by the LSP. On August 1, 2018, Brain Lash with LDEQ arrived at Florida Avenue Canal at Alvar Street box culvert. At this time, the source of the diesel had not been determined.

Original Site: Florida Avenue Canal at Alvar Street box culvert, New Orleans, LA, Latitude: 29.982834, Longitude: -90.031287.

Site of Release: Naval Support Activity Facility, 603 Poland Avenue, New Orleans, LA, Latitude: 29.9598958, Longitude: -90.330127.

3. The discharge of diesel in the Florida Canal was discovered on August 1, 2018, at 13:00 HRS and the cleanup was completed on August 9, 2018 at 13:00 HRS.
4. At approximately 13:00 on Wednesday, August 1, 2018, the Boh Bros. construction crew on the Florida Avenue Canal reported a diesel spill in the canal from the Alvar Street box culvert. Corwin Washington and Eddy Schneider of SWBNO Environmental Affairs Department arrived to the site around 14:00 to begin the investigation. They met with Boh Bros., NOFD HazMat, DEQ Emergency Response and US Coast Guard. The diesel was contained by a sand dam the contractors had in place for construction. After confirming that the diesel did not originate from a spill on the construction site, USCG investigated the Alvar box culvert watershed for any above-ground signs of a diesel spill. Corwin Washington and Eddy Schneider investigated the drainage system to track down the source, they were assisted by Scott Finney and Walter Berard of SWBNO EAD and Walter Diamond of OMI. The crew identified the source of the leak to be from two above-ground storage tanks inside the abandoned Naval Support Activity facility on Poland Avenue. The drain plugs on the diesel storage tanks were removed, which caused the leak and the secondary containment for the tank was compromised and its drain valve left open. Being that the abandoned Naval Support Activity facility is property of the City of New Orleans, the City was contacted and they contacted their environmental response contractor, Leaad Environmental. Since OMI was already on the scene, Leaad agreed to

subcontract OMI for this job. Drainage Pump Station 19 was instructed to not pump until further notice or in the case of an emergency.

On Thursday, August 2, 2018, OMI dispatched absorbent and hard boom down the Florida canal in several places. Cleaning crews utilized absorbent, drum skimmers and a vac truck to capture product out of the canal. The water level in the canal rose and the sand dam collapsed that Boh Bros. had in place. The product was captured by booms downstream. That afternoon, at the source site, the diesel left in the secondary containment of the unplugged storage tanks was removed by a vac truck. No product had been released to the forebay of DPS19.

On Friday, August 3, 2018, the residual product at the bottom of the diesel tanks was removed. The secondary containment was completely cleaned with a power washer. Continued cleaning efforts took place in the canal. No product had been released to the forebay of DPS 19.

On Sunday, August 5, 2018, at 07:45 HRS, Scott Finney of SWBNO EAD received a call from Drainage Operations that there was product in the forebay of DPS19. Eddy Schneider dispatched to the site and confirmed that there was product in the forebay and called OMI out for cleanup. OMI cleaned the product out of the canal with absorbent material and a vac truck. The crew utilized the trash rakes and screens at the station to remove large pieces of wood and other debris to facilitate the cleanup process. Removing product from behind the trash screens posed the largest challenge. Three ducklings and two turtles were removed from the forebay and were picked up by LA Department of Wildlife and Fisheries at the end of the day.

On Monday, August 6, 2018, Eddy Schneider and Mary-Alice Sandberg of SWBNO EAD flushed the drainage line from inside the abandoned Naval Support Activity facility with three fire hydrants from 09:15 – 16:00 HRS. A thunderstorm moved through the area around 15:30 HRS, which facilitated the flushing process. They poured green dye in the drain manhole closest to the diesel tanks and noted that it made it through the drainage system to the Florida Canal. In the meantime, OMI finished up the cleaning efforts in the Florida Canal and DPS 19 forebay. Booms were left in place to contain any diesel which entered the Florida Canal at the Alvar Street box culvert.

On Thursday, August 9, 2018, booms were removed and the cleanup was determined to be complete.

- 4a. No current permitted limit for the pollutant released.
- 4b. Storm drainage system from Poland Avenue, to St. Claude Street, to Alvar Street, to the Florida Canal. Not a permitted outfall.
- 4c. No permitted limit.

5. Diesel, CAS Number 68334-30-5, Hazard Class: 3; UN No. 1993. Estimated quantity spilled: approximately 1700 gallons of diesel and water recovered from the Florida Canal. Estimated quantity recovered: 18 cubic yards absorbent material and debris.
6. The diesel entered the storm drainage system at Poland Avenue to St. Claude Street to Alvar Street to Florida Avenue Canal.
7. OMI Environmental Solutions began cleanup of diesel at Alvar box culvert to the Florida Canal on August 1, 2018. The cleanup process was completed on August 6, 2018 and the last boom was removed on August 9, 2018. As of August 9, 2018, 18 cubic yards of diesel contaminated absorbent material and debris has been removed from the Florida Canal. OMI estimated 1700 gallons of diesel/water mixture was recovered.

On August 1, 2018 at approximately 18:00 HRS, SWBNO Environmental Affairs and OMI personnel determined the origin of the diesel was above ground storage tanks at the Naval Support Activity at 603 Poland Avenue. The brass plugs had been removed from two 2000 gallon Diesel storage tanks. OMI and Leaf Environmental began the cleanup of the source on August 2, 2018.

8. All above ground storage tanks will be inspected to ensure no product was left in the tanks following the Navy's departure from the facility. If product is found in the tanks, it will be removed.
9. The Naval Support Activity facility is a closed facility. The City of New Orleans is the owner of the property and working to secure a lease of the property to a private party. No permits are required for the facility at this time.
10. Reporting party is City of New Orleans, 1300 Perdido Street, New Orleans, LA. The SWBNO Environmental Affairs Department assisted the City of New Orleans with the investigation and preparing a summary of the incident. The Sewerage and Water Board of New Orleans Headquarters' address is 625 St. Joseph Street, New Orleans, LA 70118.
11. Discharge of diesel entered storm drainage and sewer systems. Diesel has been found on the ground next to the containment area. These areas have been cleaned.
12. LA State Police and the National Response Center. See information in No. 2.
13. City of New Orleans, 1300 Perdido Street, New Orleans, LA 70112.
14. The incident could have been preventable if the diesel fuel had been removed from the above ground storage tanks.
15. No injuries.
16. As of August 9, 2018, 1700 gallons of diesel/water mixture and 18 cubic yards of diesel contaminated absorbent and debris was removed from the Florida Canal.

E.A.D. INVESTIGATOR'S REPORT
ADDENDUM

- DATE: 8/1/2018 – 8/9/2018
 - LSP Incident No. 18-03596
 - National Response Center Incident No. 1220212
 - SITE: Source of spill was at the abandoned Naval Activity Support facility, 603 Poland Avenue, New Orleans, LA. Diesel flowed through the drainage system North along Poland Avenue, West along St. Claude and North along Alvar Street where it was discovered in the Florida Canal and made its furthest reach to the DPS19 forebay.
 - COMPLAINT: Diesel in Florida Canal
 - COMPLAINANT: Boh Bros., Scott Belsom, 504-232-4020
 - INVESTIGATORS: Scott Finney, Walter Berard, Eddy Schneider, Corwin Washington and Mary-Alice Sandberg

INVESTIGATOR'S REPORT:

SUMMARY

Trespassers scrapping material from the abandoned Naval Base on Poland Avenue removed brass plugs from the bottom of two roughly 2000 gallon storage tanks which emptied their contents into non-watertight secondary containment, then into the drainage system and eventually to the Florida Canal and Drainage Pump Station 19. None of the product was discharged past the drainage pump station.

Cleanup efforts were conducted beginning August 1, 2018 to August 9, 2018. The following organizations were involved: Boh Bros., Sewerage and Water Board of New Orleans (SWBNO), LA Department of Environmental Quality (LDEQ), City of New Orleans Fire Department (NOFD), US Coast Guard (USCG), Leaaf Environmental, OMI Environmental Services, various departments of City of New Orleans and LA Department of Wildlife and Fisheries (LDWF).

WEDNESDAY AUGUST 1, 2018

At approximately 13:00 on Wednesday, August 1, 2018, the Boh Bros. construction crew on the Florida Avenue Canal reported a diesel spill in the canal from the Alvar Street box culvert. Corwin Washington and Eddy Schneider of SWBNO Environmental Affairs Department arrived to the site around 14:00 to begin the investigation. They met with Boh Bros., NOFD HazMat, DEQ Emergency Response and US Coast Guard. The diesel was contained by a sand dam the contractors had in place for construction. After confirming that the diesel did not originate from a spill on the construction site, USCG investigated the Alvar box culvert watershed for any above-ground signs of a diesel spill. Corwin Washington and Eddy Schneider investigated the drainage system to track down the source, they were assisted by Scott Finney and Walter Berard of SWBNO EAD and Walter Diamond of OMI. The crew identified the source of the leak to be from two above-ground storage tanks inside the abandoned Naval Support Activity facility on Poland Avenue. The drain plugs on the diesel storage tanks were removed, which caused the leak and the secondary containment for the

tank was compromised and its drain valve left open. Being that the abandoned Naval Support Activity facility is property of the City of New Orleans, the City was contacted and they contacted their environmental response contractor, Leaaf Environmental. Since OMI was already on the scene, Leaaf agreed to subcontract OMI for this job. Drainage Pump Station 19 was instructed to not pump until further notice or in the case of an emergency.

THURSDAY AUGUST 2, 2018

On Thursday, August 2, 2018, OMI dispatched absorbent and hard boom down the Florida canal in several places. Cleaning crews utilized absorbent, drum skimmers and a vac truck to capture product out of the canal. The water level in the canal rose and the sand dam collapsed that Boh Bros. had in place. The product was captured by booms downstream. That afternoon, at the source site, the diesel left in the secondary containment of the unplugged storage tanks was removed by a vac truck. No product had been released to the forebay of DPS 19.

FRIDAY AUGUST 3, 2018

On Friday, August 3, 2018, the residual product at the bottom of the diesel tanks was removed. The secondary containment was completely cleaned with a power washer. Continued cleaning efforts took place in the canal. No product had been released to the forebay of DPS 19.

SUNDAY AUGUST 5, 2018

On Sunday, August 5, 2018, at 07:45 HRS, Scott Finney of SWBNO EAD received a call from Drainage Operations that there was product in the forebay of DPS 19. Eddy Schneider dispatched to the site and confirmed that there was product in the forebay and called OMI out for cleanup. OMI cleaned the product out of the canal with absorbent material and a vac truck. The crew utilized the trash rakes and screens at the station to remove large pieces of wood and other debris to facilitate the cleanup process. Removing product from behind the trash screens posed the largest challenge. Three ducklings and two turtles were removed from the forebay and were picked up by LA Department of Wildlife and Fisheries at the end of the day.

MONDAY AUGUST 6, 2018

On Monday, August 6, 2018, Eddy Schneider and Mary-Alice Sandberg of SWBNO EAD flushed the drainage line from inside the abandoned Naval Support Activity facility with three fire hydrants from 09:15 – 16:00 HRS. A thunderstorm moved through the area around 15:30 HRS, which facilitated the flushing process. They poured green dye in the drain manhole closest to the diesel tanks and noted that it made it through the drainage system to the Florida Canal. In the meantime, OMI finished up the cleaning efforts in the Florida Canal and DPS 19 forebay. Booms were left in place to contain any diesel which entered the Florida Canal at the Alvar Street box culvert.

THURSDAY AUGUST 9, 2018

Booms were removed at 1300 hrs on Thursday, August 9, 2018. Cleanup was determined to be complete.



Report by: Eddy Schneider

Diesel Spill Path in Drainage



August 9, 2018

Drainage Pump ■ **Water Feature**

高明

8 Major

Brainerd Central

— 1 —

— Main

Source: East, HERE, Gemini, Marmos, Increment P Corp., DEBICO, USGS, FAO, NPSC, NRCAN, Gofitnet, IGM, Reuter's Net, Ordnance Survey, East Japan, METI, East China (Hong Kong), www.cadastral.com, © OpenStreetMap contributors, and the GIG User Community.

www.ijerpi.org

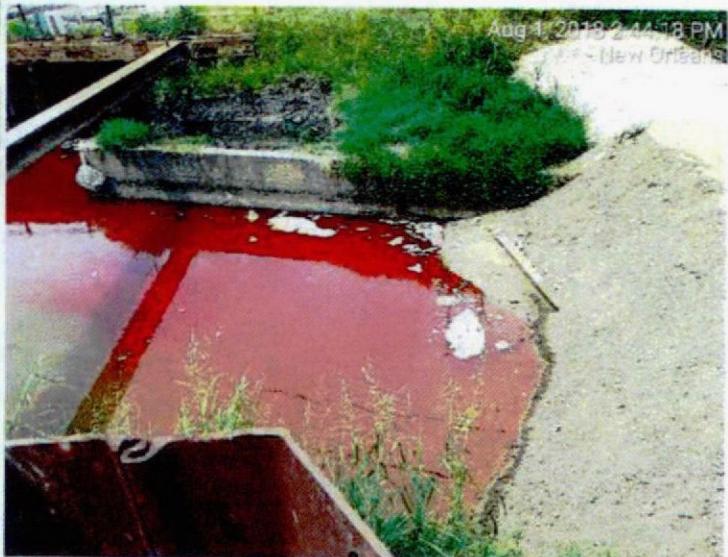
..... Path of Diesel in Drainage

PHOTOS - WEDNESDAY AUGUST 1ST 2018

Outfall of Alvar box culvert into Florida Canal where the diesel made its first appearance



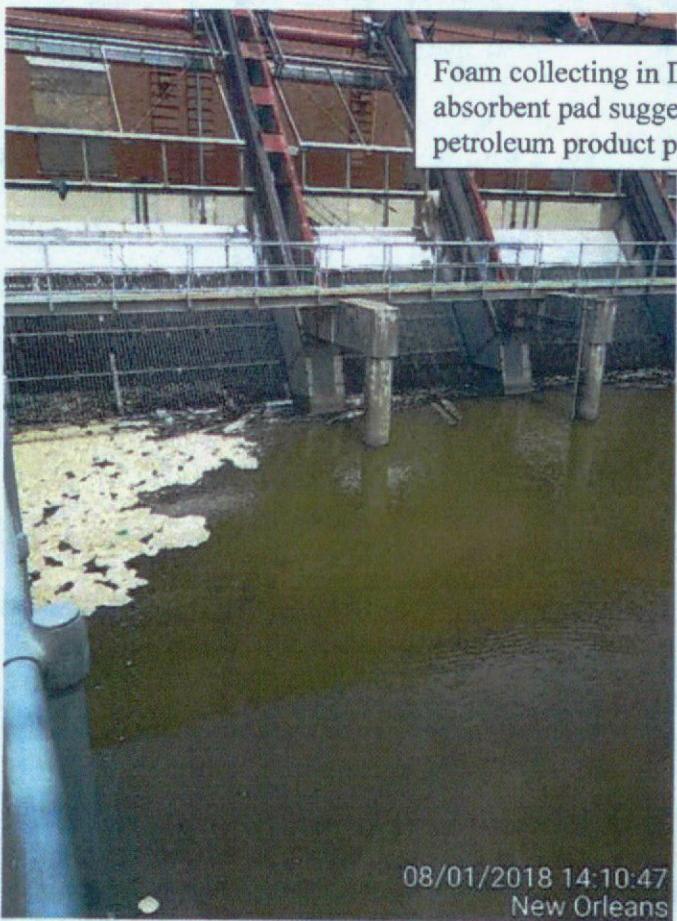
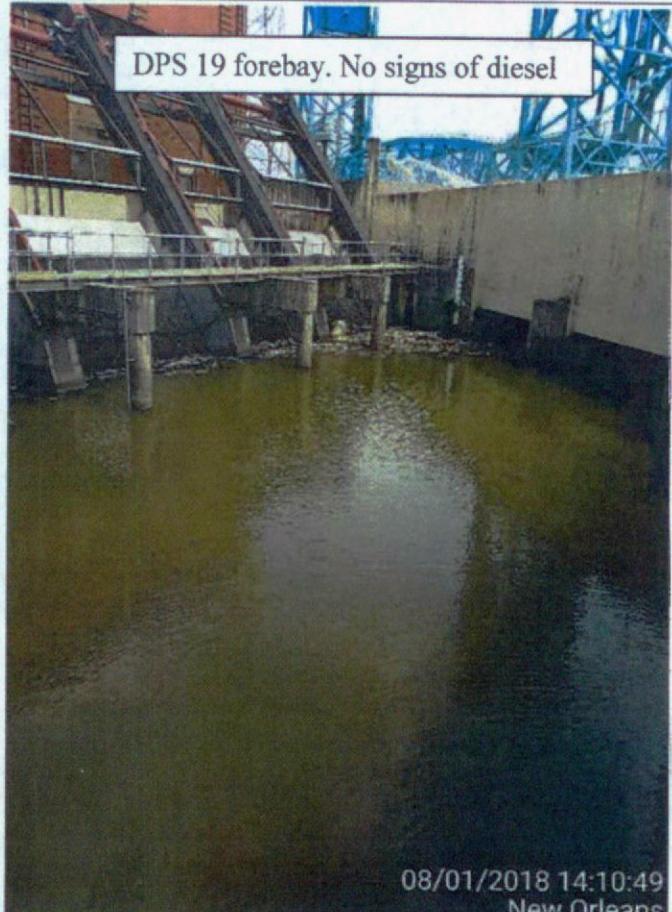
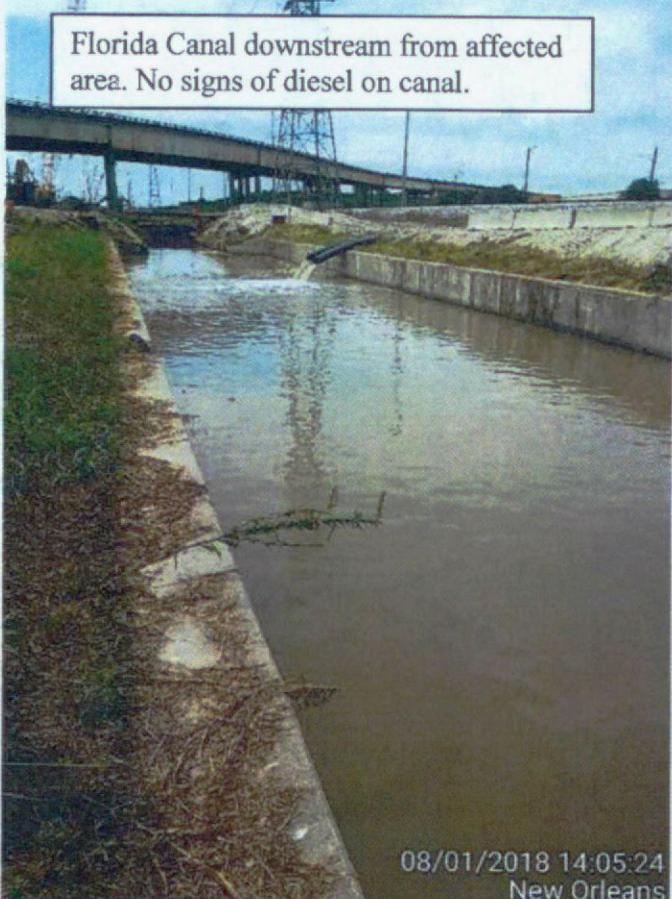
Diesel pooling at Boh Bros. sand dam

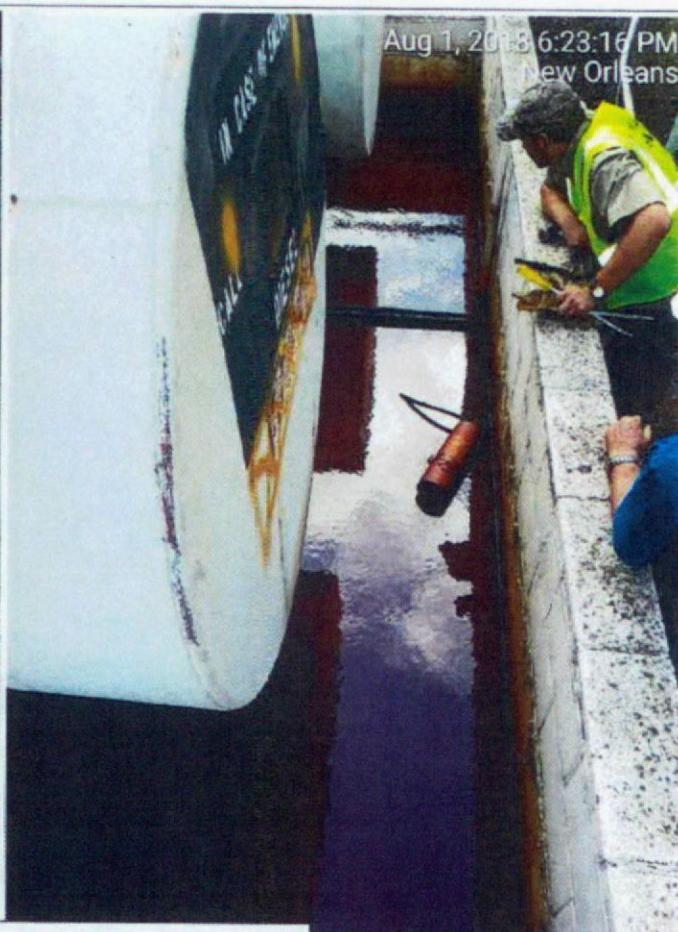


Diesel in Florida Canal

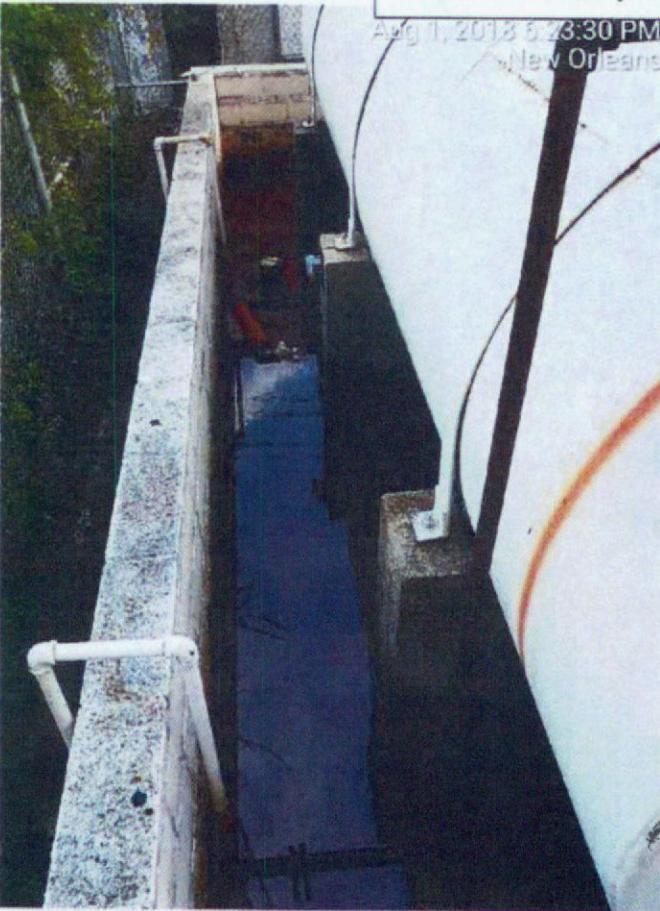


08/01/2018 14:39:38
New Orleans





Diesel in secondary containment at source site



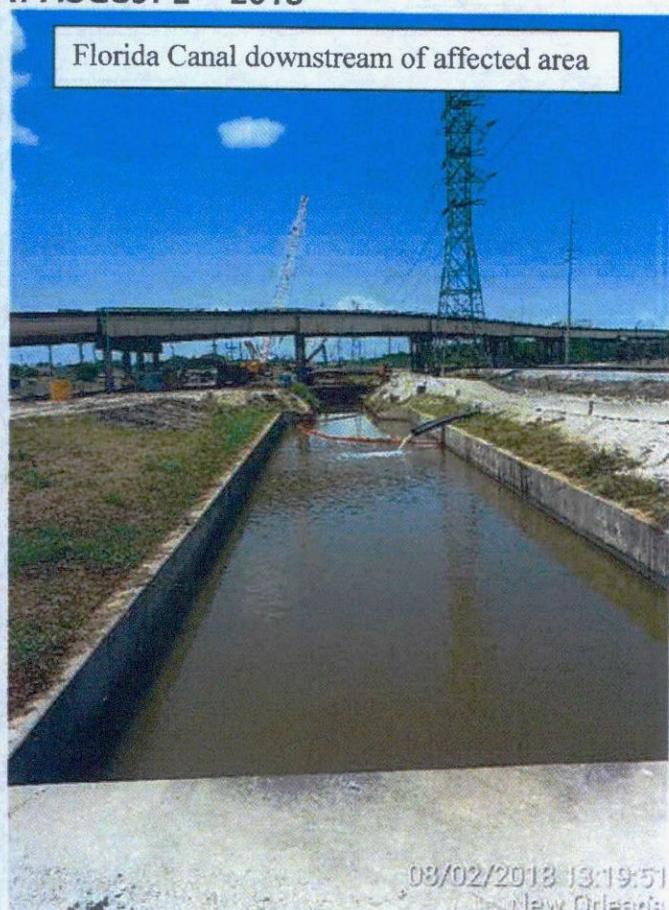
PHOTOS - THURSDAY AUGUST 2ND 2018

Drum skimmers and vac truck
cleaning product from canal



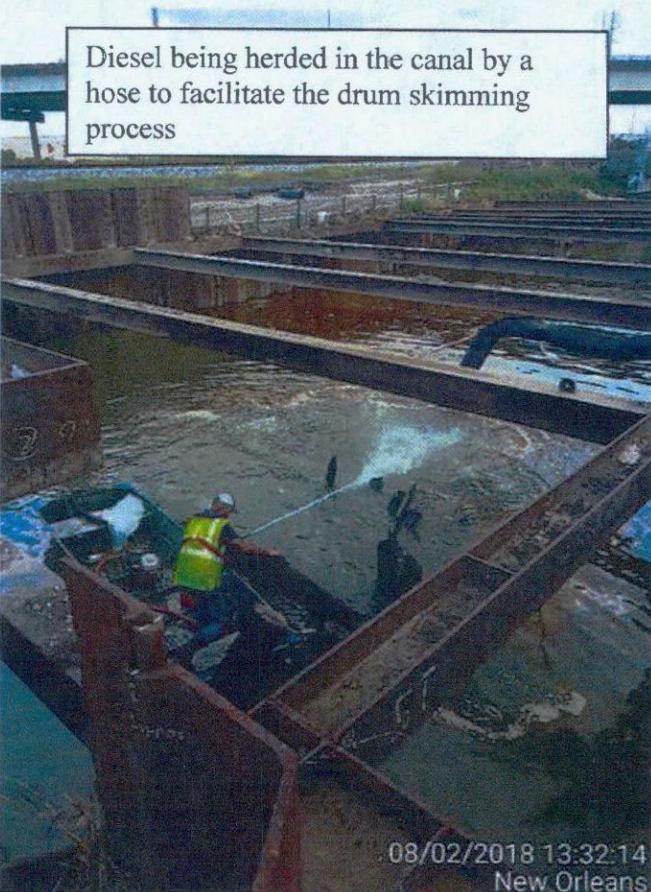
08/02/2018 13:16:19
New Orleans

Florida Canal downstream of affected area



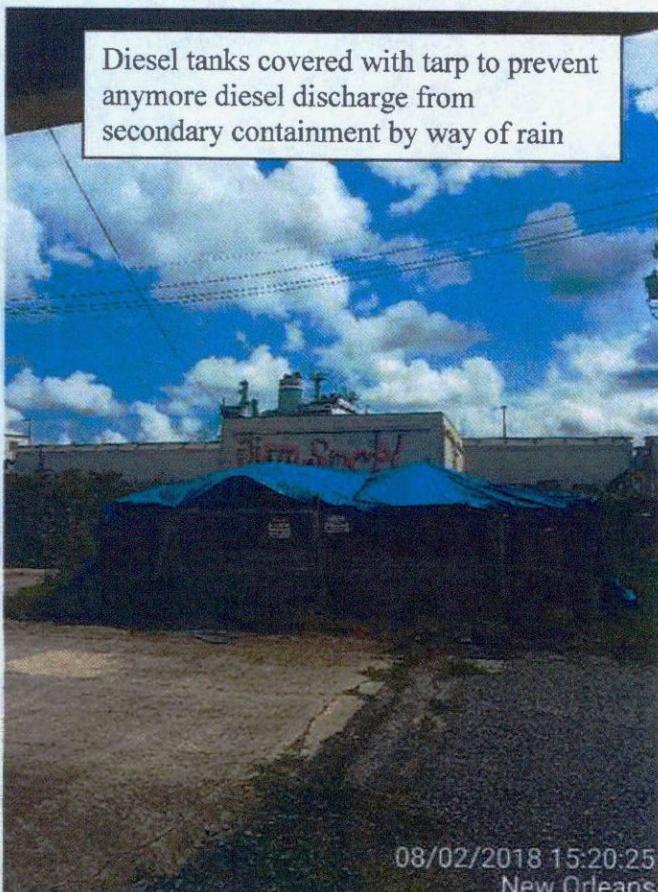
08/02/2018 13:19:51
New Orleans

Diesel being herded in the canal by a
hose to facilitate the drum skimming
process

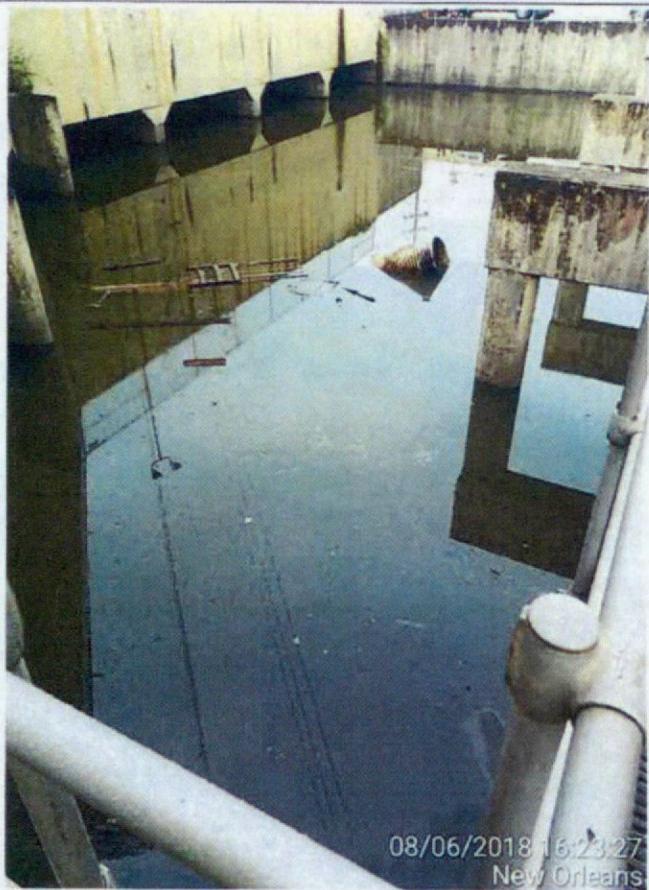


08/02/2018 13:32:14
New Orleans

Diesel tanks covered with tarp to prevent
anymore diesel discharge from
secondary containment by way of rain



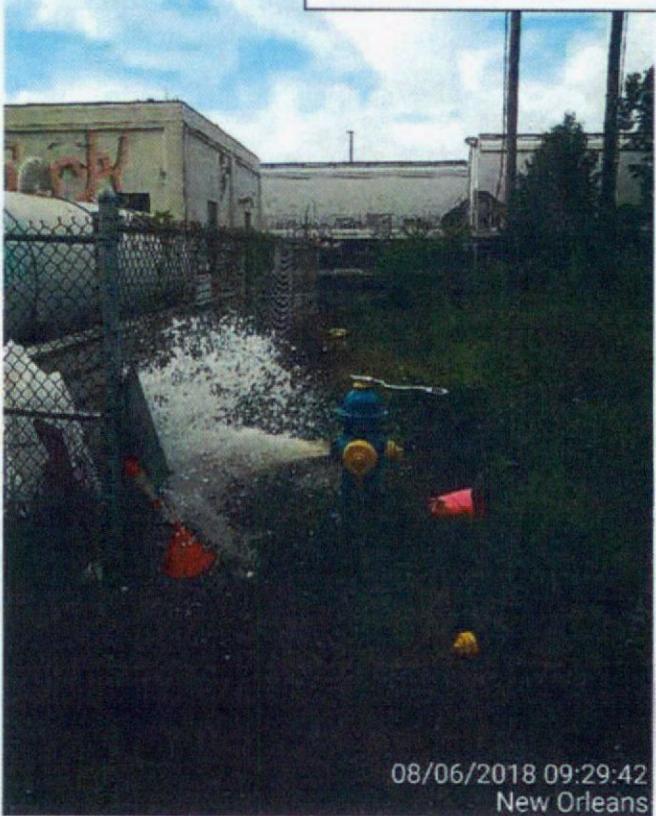
08/02/2018 15:20:25
New Orleans



DPS 19 forebay at the
end of Monday

PHOTOS - MONDAY AUGUST 6TH 2018

Hydrants inside Naval Base flushing the drainage line

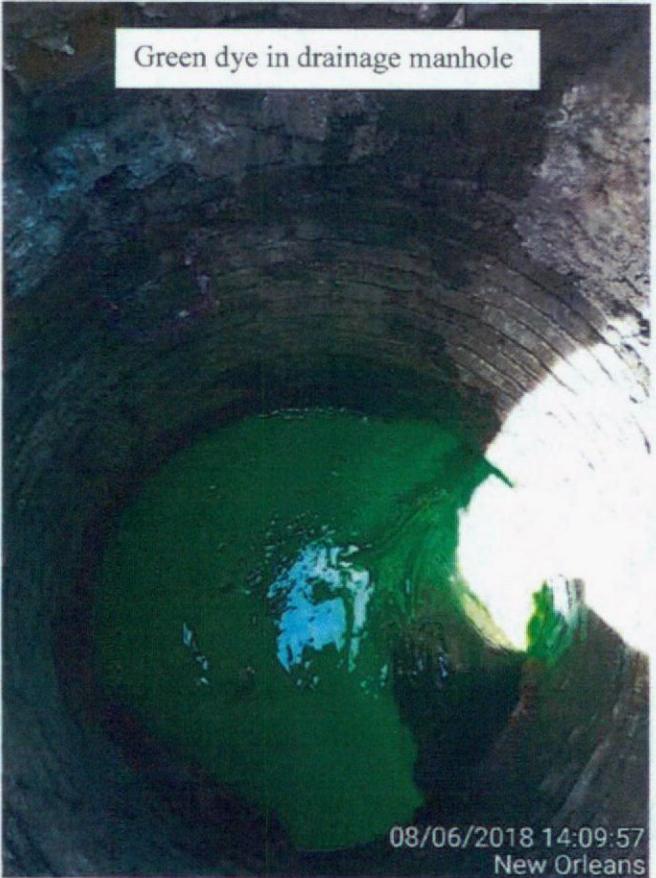


08/06/2018 09:29:42
New Orleans



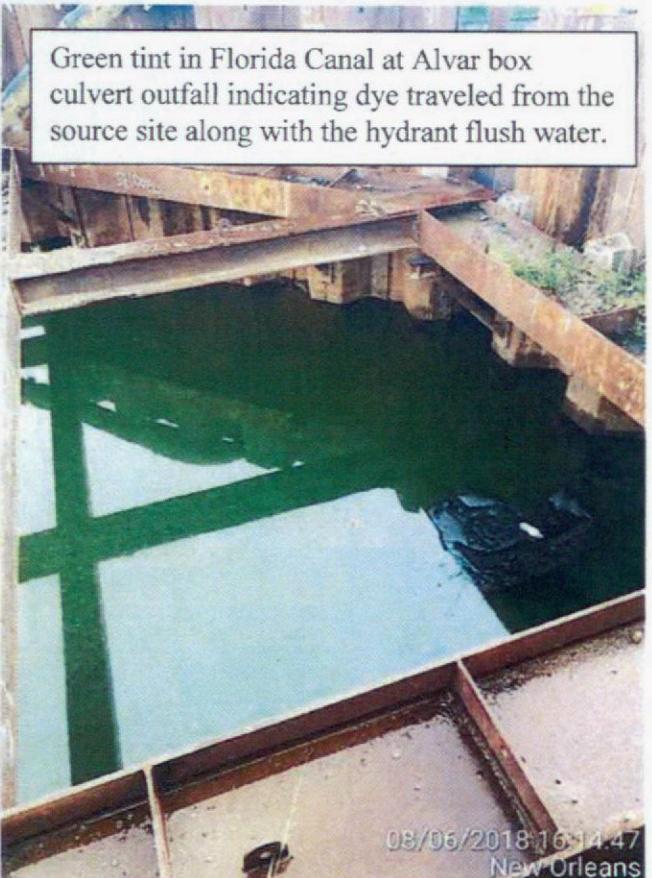
08/06/2018 14:44:32
New Orleans

Green dye in drainage manhole



08/06/2018 14:09:57
New Orleans

Green tint in Florida Canal at Alvar box culvert outfall indicating dye traveled from the source site along with the hydrant flush water.



08/06/2018 16:14:47
New Orleans